

## PCB terminal block - MPT 0,5/ 6-2,54 - 1725698

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The figure shows a 10-position version of the product


PCB terminal block, Nominal current: 6 A, Nom. voltage: 160 V, Pitch: 2.54 mm, Number of positions: 6, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green

### Product Features

- Single-row type with horizontal connection direction
- Use in miniature modules with high contact density
- MICRO PCB terminal block with 2.54 mm IC pitch



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 116293
Weight per Piece (excluding packing)	1.79 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length	6.2 mm
Pitch	2.54 mm
Dimension a	12.7 mm
Constructional height	9 mm
Length of the solder pin	3.5 mm
Pin dimensions	0,5 x 0,9 mm

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## Technical data

### Dimensions

Hole diameter	1.1 mm
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### General

Range of articles	MPT 0,5
Insulating material group	I
Rated surge voltage (III/3)	1.5 kV
Rated surge voltage (III/2)	1.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	63 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	6 A
Nominal cross section	0.5 mm <sup>2</sup>
Maximum load current	6 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	4.5 mm
Number of positions	6
Screw thread	M1,6
Tightening torque, min	0.12 Nm
Tightening torque max	0.15 Nm

### Connection data

Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	0.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.34 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.34 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	20
2 conductors with same cross section, solid min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, solid max.	0.34 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.14 mm <sup>2</sup>

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## Technical data

### Connection data

2 conductors with same cross section, stranded max.	0.34 mm <sup>2</sup>
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### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

## Classifications

### eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

### UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

## Approvals

### Approvals

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Approvals

CSA / EAC / EAC / cULus Recognized / cULus Recognized

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## Approvals

Ex Approvals

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Approvals submitted

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## Approval details

CSA	
	B
mm <sup>2</sup> /AWG/kcmil	28-20
Nominal current I <sub>N</sub>	6 A
Nominal voltage U <sub>N</sub>	125 V

EAC

EAC

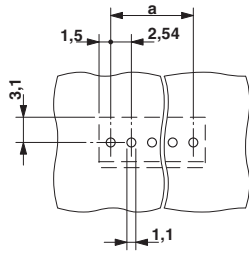
cULus Recognized	
	B
mm <sup>2</sup> /AWG/kcmil	30-20
Nominal current I <sub>N</sub>	6 A
Nominal voltage U <sub>N</sub>	125 V

cULus Recognized

## Drawings

# PCB terminal block - MPT 0,5/ 6-2,54 - 1725698

Drilling diagram



Dimensional drawing

